

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE Information Disclosure Statement by Applicant (Use several sheets if necessary)	ATTY. DOCKET NO. MAT-7940US1	SERIAL NO To Be Assigned
	APPLICANT N. Nishiyama et al.	
	FILING DATE Herewith	GROUP

U.S. PTO
 09/998770
 11/28/01

U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
BVM ↓	5,643,119	07/01/97	Yamaguchi et al.	475	5	
	5,691,584	11/25/97	Toida et al.	310	67 R	
	5,864,192	01/26/99	Nagate et al.	310	156	
	5,811,904	09/22/98	Tajima et al.	310	156	
	6,133,662	10/17/00	Matsunobu et al.	310	156	
	5,666,015	09/97	Uchibori et al.	310	261	
	5,811,904	09/98	Tajima et al.	310	156	
	5,962,999	10/99	Nakamura et al.	318	432	

FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES NO

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner	B. Mulins	Date Considered	3-10-03
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Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
BM ↓ ✓	3,353,046	11/14/67	Papst	310	156	
	4,642,886	2/17/87	Muck et al.	29	598	
	4,818,911	4/4/89	Taguchi et al.	310	259	
	4,998,032	3/5/91	Burgbacher	310	51	
	5,097,166	3/17/92	Mikulic	310	136	
	5,583,387	12/10/96	Tankeuchi et al.	310	217	
	5,729,072	3/17/98	Hirano et al.	310	258	
	5,861,693	1/19/99	Takahashi et al.	310	113	

FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES (NO
BM	7-255138	10/3/95	Japan (with English abstract)			
BM	7-303357	11/14/95	Japan (with English abstract)			
BM	5-292714	11/5/93	Japan (with English abstract)			
BM	8-19196	1/19/96	Japan (with English abstract)			
BM	7-20050	4/7/95	Japan (with partial English translation)			
BM	5-284677	10/29/93	Japan (with English abstract)			
BM	7-236240	9/5/95	Japan (with English abstract)			
BM	6-66277	9/16/94	Japan (with partial English translation)			
BM	62-160048	7/16/87	Japan (with English abstract)			
BM	63-242157	10/7/88	Japan			
BM	6-98514	4/8/94	Japan			

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

BM	1	Japanese language search report for Int'l Appln. No. PCT/JP97/00489.
	2	English translation of Japanese language search report for Int'l Appln. No. PCT/JP97/00489.

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